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Reserve

UNITED STATES DEPARTMENT OF AGRICULTURE
Production and Marketing Administration 1/
Washington 25, D. C.

UNITED STATES STANDARDS FOR BROWN RICE

(Effective May 15, 1942)



By virtue of the authority vested in the Secretary of Agriculture by the Act of Congress entitled "An act making appropriations for the Department of Agriculture for the fiscal year ending June 30, 1942, and for other purposes," approved July 1, 1941 (Public Law 144, 77th Congress), there are hereby fixed, established, and promulgated in lieu of all existing standards for brown rice, the following standards of quality and condition for brown rice, which shall be in force and effect on and after May 15, 1942.

Done at Washington, D. C., this 28th day of April, 1942. Witness my hand and the seal of the Department of Agriculture.

/s/ Grover B. Hill

Acting Secretary of Agriculture

UNITED STATES STANDARDS FOR BROWN RICE 2/

For the purpose of the United States standards for brown rice:

BROWN RICE.— Brown rice shall be whole or broken kernels of rice of the classes specified in these standards, from which the hulls only have been removed from not less than 90 percent of the kernels, and which does not contain more than 10 percent of cereal grains of a kind or kinds other than rice, seeds, or other foreign material, either singly or in any combination.

1/ This is a reissue of the United States Standards for Brown Rice, effective May 15, 1942, formerly issued by the Agricultural Marketing Administration. No change is made in the text of the standards.

2/ The specifications of these standards shall not excuse failure to comply with the provisions of the Federal Food, Drug and Cosmetic Act.

CLASSES.-- Brown rice shall be divided into 11 classes as follows: Class I, Edith Brown Rice; Class II, Fortuna Brown Rice; Class III, Lady Wright Brown Rice; Class IV, Rexoro Brown Rice; Class V, Nira Brown Rice; Class VI, Blue Rose Brown Rice; Class VII, Early Prolific Brown Rice; Class VIII, American Pearl Brown Rice; Class IX, Calady Brown Rice; Class X, Miscellaneous Classes of Brown Rice; and Class XI, Mixed Brown Rice.

GRADES.-- Brown rice shall be graded and designated according to the respective grade requirements of the numerical grades, or named grades, and Sample grade of its appropriate class or subclass, and according to the special grades when applicable.

EDITH BROWN RICE (CLASS I)

This class shall include the rice known commercially as Edith, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

FORTUNA BROWN RICE (CLASS II)

This class shall include the rice known commercially as Fortuna, and may include not more than 10 percent of whole kernels or rice of any other class or classes.

LADY WRIGHT BROWN RICE (CLASS III)

This class shall include the rice known commercially as Lady Wright, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

REXORO BROWN RICE (CLASS IV)

This class shall include the rice known commercially as Rexoro, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

NIRA BROWN RICE (CLASS V)

This class shall include the rice known commercially as Nira, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

BLUE ROSE BROWN RICE (CLASS VI)

This class shall include the rices known commercially as Blue Rose, Greater Blue Rose, and Improved Blue Rose, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

EARLY PROLIFIC BROWN RICE (CLASS VII)

This class shall include the rice known commercially as Early Prolific, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

AMERICAN PEARL BROWN RICE (CLASS VIII)

This class shall include the rice of the Japan types of rice, and may include not more than 10 percent of whole kernels of rice of any other class or classes. This class shall be divided into two subclasses, as follows: (a) Southern Pearl brown rice and (b) California Pearl brown rice.

Subclass (a) Southern Pearl Brown Rice

This subclass shall include all rice of the Japan types of rice possessing the characteristics of rice of this class as grown east of the Rocky Mountains.

Subclass (b) California Pearl Brown Rice

This subclass shall include all rice of the Japan types of rice possessing the characteristics of rice of this class as grown west of the Great Plains area of the United States.

CALADY BROWN RICE (CLASS IX)

This class shall include the rice known commercially as Calady and other rices of similar type, possessing the characteristics of rice of this class as grown west of the Great Plains area of the United States, and may include not more than 10 percent of whole kernels of rice of any other class or classes.

CLASSES I TO VII, AND SUBCLASS (A)
OF CLASS VIII, INCLUSIVE

Grade requirements for the classes Edith, Fortuna,
Lady Wright, Rexoro, Nira, Blue Rose, Early Prolific,
and for the subclass (a) Southern Pearl, brown rice

United States grade	Maximum limits of -										
	Cereal grains, seeds, mud lumps, and heat-damaged kernels (number in 500 grams)	Broken kernels									
	Cereal grains	Seeds	Heat-damaged kernels	Mud lumps	Paddy grains	Red rice	Damaged kernels other than heat-damaged	Chalky kernels	Total	Through No. 6½ sieve	Rice of other classes
	No.	No.	No.	No.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Extra Fancy	0	2	0	1	0.2	0.5	1	1.5	5	1	1
Fancy	1	5	1	2	.4	1.0	3	2.5	10	2	2
Choice	5	10	5	5	1.0	3.0	5	5.0	15	3	4

SAMPLE GRADE: Sample grade shall include brown rice of the classes Edith, or Fortuna, or Lady Wright, or Rexoro, or Nira, or Blue Rose, or Early Prolific, or subclass (a) Southern Pearl, respectively, which does not come within the requirements of any of the grades from Extra Fancy to Choice, inclusive; or which has any commercially objectionable foreign odor; or is musty, or sour, or heating, or hot; or is of a badly damaged or badly stained appearance; or is otherwise of distinctly low quality; or contains more than 0.1 percent of foreign material; or contains more than 14.5 percent of moisture.

SUBCLASS (B) OF CLASS VIII, AND CLASS IX

Grade requirements for the subclass (b) California Pearl
and for the class Calady, brown rice

	Maximum limits of -											
											Broken kernels	
United States grade	Cereal grains, seeds, mud lumps, and heat-damaged kernels (number in 500 grams)											
	Cereal grains	Seeds	Heat-damaged kernels	Mud lumps	Paddy grains	Red rice	Damaged kernels other than heat-damaged	Chalky kernels	Total	Through No. 6½ sieve		Rice of other classes
	No.	No.	No.	No.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	
	Fancy	1	25	1	1	0.2	0.2	0.3	3	10	1	0.5
	1	3	50	3	3	.2	.4	.7	6	10	2	1.0
	2	5	75	5	5	.4	.7	1.5	10	15	3	2.0

SAMPLE GRADE: Sample grade shall include brown rice of the subclass (b) California Pearl or of the class Calady, respectively, which does not come within the requirements of any of the grades from Fancy to No. 2, inclusive; or which has any commercially objectionable foreign odor; or is musty, or sour, or is heating, or hot; or is of a badly damaged or badly stained appearance; or is otherwise of distinctly low quality; or contains more than 0.1 percent of foreign material; or contains more than 15 percent of moisture.

MISCELLANEOUS CLASSES OF BROWN RICE (CLASS X)

Brown rice that is not otherwise specifically classified in these standards shall be classified and designated according to the commonly accepted commercial name of such rice. Rice of each of the classes included in the Miscellaneous classes may include not more than 10 percent of whole kernels of rice of any other class or classes.

Brown rice of each of the classes comprising the Miscellaneous classes of rice that is produced east of the Rocky Mountains shall be graded according to the grade requirements specified for classes I to VII, inclusive.

Brown rice of each of the classes comprising the Miscellaneous classes of rice that is produced west of the Great Plains area of the United States shall be graded according to the grade requirements specified for the Glass Calady (Class IX).

MIXED BROWN RICE (CLASS XI)

This class shall include all mixtures of brown rice not provided for in the classes from I to X, inclusive.

Grade Requirements and Designations.- Mixed Brown Rice shall be graded according to the grade requirements of the class or subclass of brown rice which predominates in the mixture, except that the grade specifications for the factor "rice of other classes" shall be disregarded.

The grade designations for Mixed Brown Rice shall include, successively, in the order named, (1) the name of the grade, or the number thereof, (2) the words "Mixed Brown Rice," and (3) the name and approximate percentage of each class or subclass of brown rice which constitutes 10 percent or more of the mixture in the order of its predominance; but if only one class or subclass exceeds 10 percent of the mixture, the name and approximate percentage of that class or subclass shall be added to the grade designation, followed by the name and approximate percentage of at least one other class or subclass.

SPECIAL GRADE FOR BROWN RICE

Weevily Brown Rice

Definition.- Weevily brown rice shall be brown rice of any class which is infested with live weevils or other insects injurious to stored rice.

Grades.- Weevily brown rice shall be graded and designated according to the grade requirements of the standards applicable to such rice if it were not weevily, and there shall be added to, and made a part of, the grade designation, the word "Weevily."

DEFINITIONS

Basis of Grade Determinations.- All determinations shall be upon the basis of the rice as a whole.

Percentages.- Percentages, except in the case of moisture, shall be percentages ascertained by weight.

Percentage of Moisture.- Percentage of moisture shall be that ascertained by the air oven and the method of use thereof described in Service and Regulatory Announcements No. 147 of the Agricultural Marketing Service of the United States Department of Agriculture, or ascertained by any device and method which give equivalent results.

No. 6 $\frac{1}{2}$ Sieve.- A metal sieve perforated with round holes 6 $\frac{1}{2}$ /64 inch in diameter.

Damaged Kernels.- Damaged kernels shall be kernels and pieces of kernels of brown rice which have been distinctly damaged by water, insects, or by any other means. Sound double and sound broken kernels shall not be considered damaged kernels.

Heat-damaged Kernels.- Heat-damaged kernels shall be kernels and pieces of kernels of brown rice which have been distinctly discolored by external heat or as a result of heating caused by fermentation.

Cereal Grains.- Cereal grains shall include barley, wheat, rye, emmer, spelt, einkorn, corn, grain sorghums, and oats, and shall not include buckwheat, flaxseed, soybeans and wild oats.

Seeds.- Seeds shall be grains, kernels, or seeds, either whole or broken, of any plant other than rice or other cereal grains.

Red Rice.- Red rice shall be kernels or pieces of kernels of brown rice which are distinctly red in color or on which the bran is red.

Broken Kernels.- Broken kernels shall be split kernels and pieces of kernels of brown rice which are less than three-fourths of the length of the perfect kernel.

Chalky Kernel.- A chalky kernel shall be a kernel or a piece of a kernel of brown rice one-half or more of which is chalky.

Mud Lumps.- Mud lumps shall be lumps of dried mud which will not pass through a No. 6 $\frac{1}{2}$ sieve. Mud lumps which will pass through a No. 6 $\frac{1}{2}$ sieve shall function in grading only as foreign material.

Paddy Grains.- Paddy grains shall be kernels of rice from which the hulls have not been removed.

Foreign Material.- Foreign material shall include all matter other than rice except mud lumps which will not pass through a No. 6 $\frac{1}{2}$ sieve, and cereal grains, and seeds.